Cosmic depth and detail: advancing LOFAR imaging workflows to unveil the deep high-resolution universe

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Cosmic Depth & Detail

Advancing LOFAR imaging workflows to unveil the deep high-resolution universe

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Cover: Background picture taken by photographer Joshua Earle, modified by author with help from Satu Nygren. The front cover features a person looking into a part of the deep high-resolution radio sky from the ELAIS-N1 deep field. This is an important sky area imaged and studied in this thesis. The back cover showcases the LOFAR LBA and HBA antennas, positioned beneath a sky featuring FRI and FRII type radio galaxies at 0.3″ resolution, overlaid on their lower resolution 6″ counterparts.

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"Astronomy, as nothing else can do, teaches men humility."

– Arthur C. Clarke

Contents